

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:	Chai et al.	Confirmation No.:	To be determined
Serial No.:	To be determined	Art Unit:	To be determined
Filed:	Herewith	Examiner:	To be determined
For:	APPARATUS AND METHODS FOR MONITORING WATER CONSUMPTION AND FILTER USAGE	Attorney Docket No.:	10677-010-999

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 C.F.R. §1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the application.

1. Enclosures accompanying this Information Disclosure Statement are:
 - 1a. ☒ A list of all patents, publications, applications, or other information submitted for consideration by the office.
 - 1b. A legible copy of :
 - ☒ Each U.S. patent application publication and U.S. and foreign patent;
 - ☒ Each publication or that portion which caused it to be listed on the PTO-1449;
 - ☒ For each cited pending U.S. application, the application specification including the claims, and any drawing of the application, or portion of the application which caused it to be listed on the PTO-1449 including any claims directed to that portion;
 - ☐ all other information or portion which caused it to be listed on the PTO-1449.
 - 1c. ☐ An English language copy of search report(s) from a counterpart foreign application or PCT International Search Report.
 - 1d. ☐ Explanations of relevancy (ATTACHMENT 1(d), hereto) or English language abstracts of the non-English language publications.
2. ☒ This Information Disclosure Statement is filed under 37 C.F.R. §1.97(b):
 - ☒ Within three months of the filing date of a national application other than a continued prosecution application under §1.53(d);

- ☐ Within three months of the date of entry of the national stage as set forth in §1.491 in an international application;
- ☐ Before the mailing of the first Office action on the merits;
- ☐ Before the mailing of a first Office action after the filing of a request for continued examination under §1.114.

3. ☐ This Information Disclosure Statement is filed under 37 C.F.R. §1.97(c) after the period specified in 37 C.F.R. §1.97(b), but before the mailing date of any of a final action under 37 C.F.R. §1.113, a notice of allowance under 37 C.F.R. §1.311 or an action that otherwise closes prosecution in the application.

(Check either Item 3a or 3b)

- 3a. ☐ The Certification Statement in Item 5 below is applicable. Accordingly, no fee is required.
- 3b. ☐ The \$180.00 fee set forth in 37 C.F.R. §1.17(p) in accordance with 37 C.F.R. §1.97(c) is:
- ☐ enclosed
 - ☐ to be charged to Jones Day Deposit Account No. 503013.

(Item 3b to be checked if any reference known for more than 3 months)

4. ☐ This Information Disclosure Statement is filed under 37 C.F.R. §1.97(d) after the period specified in 37 C.F.R. §1.97(c), but on or before the date of payment of the issue fee.

The Certification Statement in Item 5 below is applicable.

The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:

- ☐ enclosed.
- ☐ to be charged to Jones Day Deposit Account No. 503013.

5. ☐ Certification Statement (applicable if Item 3a or Item 4 is checked)

(Check either Item 5a or 5b)

- 5a. ☐ In accordance with 37 C.F.R. §1.97(e)(1), it is certified that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
- 5b. ☐ Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 C.F.R. §1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- 5c. ☐ Pursuant to 37 C.F.R. §1.704(d), each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 C.F.R. §1.56(c) more than thirty days prior to the filing of this information disclosure statement.

6. ☐ This application is a continuation application under 37 C.F.R. §1.60 or §1.53(b) or (d).

(Check appropriate Items 6a, 6b and/or 6c)

- 6a. ☐ A Petition to Withdraw from issue under 37 C.F.R. §1.313(b)(5) is concurrently filed herewith.

- 6b. ☐ Copies of publications listed on Form PTO-1449 from prior application Serial No. , filed on , of which this application claims priority under 35 U.S.C. §120, are not being submitted pursuant to 37 C.F.R. §1.98(d).

- 6c. ☐ Copies of the publications listed on Form PTO-1449 were not previously cited in prior application Serial No. , filed on , and are provided herewith.

7. ☐ This is a Supplemental Information Disclosure Statement. (Check Item 7a)

- 7a. ☐ This Supplemental Information Disclosure Statement under 37 C.F.R. §1.97(f) supplements the Information Disclosure Statement filed on . A bona fide attempt was made to comply with 37 C.F.R. §1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental Information Disclosure Statement can be considered as if properly filed on .

8. ☐ In accordance with 37 C.F.R. §1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:

(Check Item 8a, 8b, or 8c)

- 8a. ☐ satisfied because all non-English language publications were cited on the enclosed English language copy of the PCT International Search Report or the search report from a counterpart foreign application indicating the degree of relevance found by the foreign office.

- 8b. ☐ set forth in the application.

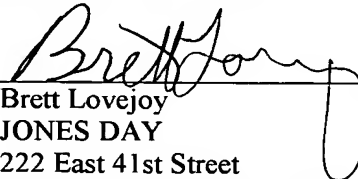
- 8c. ☐ enclosed as an attachment hereto.

9. ☒ The Commissioner is authorized to charge any additional fee required or credit any overpayment for this Information Disclosure Statement and/or Petition to Jones Day Deposit Account No. 503013.

10. ☒ No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than a search report of a foreign counterpart application or PCT International Search Report if submitted herewith). 37 C.F.R. §§1.97(g) and (h).

Respectfully submitted,

Date: April 19, 2004


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LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

ATTY DOCKET NO.
10677-010-999

APPLICATION NO
To be determined

APPLICANT
Chai et al.

FILING DATE
Herewith

GROUP
To be determined

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	3,038,610	6/12/1962	Hetherington			
	AB	3,503,507	3/31/1970	Raupp et al.			
	AC	3,586,018	6/22/1971	Bogardh et al.			
	AD	3,861,565	1/21/1975	Rickmeier, Jr.			
	AE	4,302,337	11/24/1981	Larson et al.			
	AF	4,588,500	5/13/1986	Sprenger et al.			
	AG	4,681,677	7/21/1987	Kuh et al.			
	AH	4,769,135	9/6/1988	Norton			
	AI	4,772,386	9/20/1988	Grout et al.			
	AJ	4,895,648	1/23/1990	Hankammer			
	AK	4,986,901	1/22/1991	Nohren, Jr. et al.			
	AL	4,998,228	3/5/1991	Eger et al.			
	AM	5,190,643	3/2/1993	Duncan et al.			
	AN	5,328,597	7/12/1994	Boldt, Jr. et al.			
	AO	5,457,665	10/10/1995	Reid			
	AP	5,536,394	7/16/1996	Lund et al.			
	AQ	5,560,393	10/1/1996	Clack			
	AR	5,649,471	7/22/1997	Heynderickx et al.			
	AS	5,665,224	9/9/1997	Levene et al.			
	AT	5,785,844	7/28/1998	Lund et al.			
	AU	5,830,360	11/3/1998	Mozayeni			
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	AZ	6,024,867	2/15/2000	Parise			
	BA	6,033,557	3/7/2000	Gebhard et al.			
	BB	6,074,550	6/13/2000	Hofmann et al.			
	BC	6,224,751 B1	5/1/2001	Hofmann et al.			
	BD	6,423,224 B1	7/23/2002	Tanner et al.			

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	ATTY DOCKET NO. 10677-010-999	APPLICATION NO <i>To be determined</i>
	APPLICANT Chai et al.	
	FILING DATE Herewith	GROUP <i>To be determined</i>

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BE	6,428,687 B1	8/6/2002	Moretto			
	BF	6,476,363 B1	11/5/2002	Authier et al.			
	BG	US 2003/0010117 A1	1/16/2003	Shon			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BH	WO 95/04705	2/16/1995	PCT				
	BI	WO 95/29131	11/2/1995	PCT				
	BJ	WO 96/13318	5/9/1996	PCT				
	BK	WO 96/21621	7/18/1996	PCT				
	BL	WO 98/05401	2/12/1998	PCT				
	BM	WO 98/17582	4/30/1998	PCT				
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	BS	EP 1195 357 A1	4/10/2002	Europe				
	BT	GB 2008540 A	6/6/1979	United Kingdom				
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	BV	GB 2252514 A	8/12/1992	United Kingdom				
	BW	GB 2271106 A	4/6/1994	United Kingdom				
	BX	GB 2358789 A	8/8/2001	United Kingdom				
	BY	GB 2387229 A	10/8/2003	United Kingdom				
	BZ	DE 4026634 A1	2/27/1992	Germany				
	CA	DE 4200253 A1	7/15/1993	Germany				
	CB	262,045	6/1/1926	France				

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	CC	Schwarz et al., "Electrical Engineering: An Introduction," second edition, Oxford University Press, New York, 1993, cover page, copyright page, pp. 45-51, 64-67, 146-152, 184-188.

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